

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A pin assembly of a track roller bogie in a crawler type traveling apparatus, comprising:
 - a pin including a lubricant filling hole therein and a lubricant outflow hole for outflow of lubricant from the lubricant filling hole to an outer peripheral portion;
 - a first ring including an abutment face for abutting with the pin at one end and fixed to the pin;
 - a second ring fitted on the pin to contact with a portion of an other end face of the first ring in a pin axis direction and to be rotatable thereabout; and
 - a third ring fixed to the pin to contact with a portion of an other end face of the second ring in the pin axis direction,
wherein outside diameters of the first ring, the second ring, and the third ring are d1, d2, and d3, respectively, a relationship between d1, d2, d3 is d1<d2<d3,
wherein the pin assembly further comprises an annular recessed groove portion in a portion between respective contact end faces of the first, second, and third rings, and sealing means to prevent leakage of the lubricant disposed in the recessed groove portion, and
 - wherein the respective adjacent end faces, excluding the respective recessed groove portions, on inner periphery sides of the first, second, and third rings directly contact with one another.
2. (Previously Presented) A pin assembly according to claim 1, further comprising slide portions between the first, second, and third rings, wherein each of slide portions between the first, second, and third rings includes a slide contact face through which each of the rings directly contacts and a seal face of the sealing means corresponding

to each slide contact face; and the slide contact face and the seal face form substantially a same plane in a radial direction.

3. (Cancelled)

4. (Currently Amended) A crawler type traveling apparatus comprising:

a track frame;
an idler tumbler;
a sprocket wheel;
a carrier roller;

a track roller bogie axially supported on the track frame and including a track roller; and

a crawler chain wound around the idler tumbler, the sprocket wheel, the carrier roller, and the track roller, wherein the track roller bogie is axially supported on the track frame by the pin assembly according to any one of claims 1 or 2 [[to 3]].

5. (Currently Amended) A crawler type traveling apparatus comprising:

a track frame;
an idler tumbler;
a sprocket wheel;
a carrier roller;

a track roller bogie axially supported on the track frame and including a track roller; and

a crawler chain wound around the idler tumbler, the sprocket wheel, the carrier roller, and the track roller, wherein the track roller bogie includes a first bogie link axially supported on the track frame and a second bogie link axially supported on the first bogie link and to which the track roller is mounted, and the first bogie link is axially supported on the track frame by the pin assembly according to any one of claims 1 or 2 [[to 3]].

6. (Currently Amended) A crawler type traveling apparatus comprising:

a track frame;
an idler tumbler;
a sprocket wheel;
a carrier roller;
a track roller bogie axially supported on the track frame and including a track roller; and

a crawler chain wound around the idler tumbler, the sprocket wheel, the carrier roller, and the track roller, wherein the track roller bogie includes a first bogie link axially supported on the track frame and a second bogie link axially supported on the first bogie link and to which the track roller is mounted, and the second bogie link is axially supported on the first bogie link by the pin assembly according to any one of claims 1 or 2 [[to 3]].

7. (Currently Amended) A crawler type traveling apparatus comprising:

a track frame;
an idler tumbler;
a sprocket wheel;
a carrier roller;
a track roller bogie axially supported on the track frame and including a track roller; and

a crawler chain wound around the idler tumbler, the sprocket wheel, the carrier roller, and the track roller, wherein the track roller bogie includes a first bogie link axially supported on the track frame and a second bogie link axially supported on the first bogie link and to which the track roller is mounted, and the first bogie link and the second bogie link are axially supported on the track frame and to the first bogie link, respectively, by the pin assembly according to any one of claims 1 or 2 [[to 3]].